Fall 2015 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD1602 Reclamation District No. 1602 Del	Overall LMA Rating	Total LMA Miles						
Puerto	U	6.24						
Rated Item	Maintenance Deficiancy			Enforc	Enforcement		Design & System Obsolescence	
Nateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	5.63		5.63	90.25%	0.01			
Encroachments					3.26	0.01		
Animal Control	0.18	0.09	0.54	8.66%				
Slope Stability	0.03		0.03	0.48%				
Interior Drainage & Piping Systems								
Concrete Tilting / Settlement		0.01	0.04	0.64%				
Supplemental	Supplemental							
DWR UCIP Field Study					0.03	0.10		
LMA Totals:	5.84	0.10	6.24	100.03%	3.30	0.11	0.00	0.00

LMA District Cover Sheet Fall 2015 Levee Inspection Results

Reclamation District No. 1602 Del Puerto

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

* Overall LM	1A Rating (Fall Only)			U			
		** Non-receipt of Su	ummer or Winter Inspe	ction Reports may effect	ct overall annual rating.		
* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.							
FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk.							
Comments							

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Left	6.24

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/02/2015 - 04/02/2015		10/20/2015 - 10/20/2015	
DWR Inspector	Pavel Kazi		Pavel Kazi	
Accompanied By	Tony Martinez RD 1602		Tony Martinez RD 1602	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		39	
LM End	0.00	Issue Type +	Ma	Location * N/A			
Category	Earthen Levee			GPS La	atituc	le/Longitude	
Calegory		Start		End			
Item Operations & Maintenance Manuals				0		0	
				0		0	
DWR ID	DWR_RD1	602_01_s _ 201	12_39				
		Action/	Comme	nts			
Inspector (Comments	: The LMA ha	s all the	O&M manu	ıals.		

No Photos

LM Start 0.00 Rating ** Issue No. 77 Α LM End 0.00 Issue Type + Ма Location * N/A Earthen Levee GPS Latitude/Longitude Category Start End **Emergency Supplies &** Item Equipment DWR ID DWR_RD1602_01_s _ 2012_77 Action/Comments

No Photos

Inspector Comments: The LMA has enough flood materials in case of an incident.

LM Start	0.00 Rating ** A			Issue No.		97	
LM End	0.00	Issue Type +	Ma	Location * N/A			
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &	Training		0		0
пеш					0		0
DWR ID	DWR_RD1602_01_s _ 2012_97						
	Action/Comments						

No Photos

Inspector Comments: The LMA has solid understanding and most of them have flood prepareness training.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	1	
LM End	0.11	Issue Type +	En	Location *	CR	
Category Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End
Item	Encroachments			37.4765	60 °	37.477295 °
item			-121.083862 °		-121.082087 °	
DWR ID	DWR_RD1	602_01_s _ 201	2_1			
Action/Comments						
Buildina						

Inspector Comments: Animal pens across levee crown.



Looking at animal pens on crown of levee from LM 0.00 to 0.11.

Photo 1 of 1: FA_2015_RD1602_110_21_20151023_00087.jpg

LM Start	0.13	Rating **	М	Issue No.		21
LM End	0.56	Issue Type +	Ma	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Vegetatio	Vegetation			33 °	37.480269 °
iteiii				-121.081740 ° -12		-121.075104°
DWR ID	DWR_RD1602_01_f _ 2015_21					
		Action/	Commo	nte		

Control annual grass and weeds on the levee slopes and easements.



View of the vegetation on the waterside of the levee.

LM Start	0.15 Rating ** M			Issue No.	26		
LM End	0.56	Issue Type +	Ma	Location *	LS		
Category	Catagon Earthen Levee			GPS La	atitud	e/Longitude	
Category			Start		End		
Item	Vegetatio	n		37.4773	64 °	37.480269	0
пеш				-121.0814	23 °	-121.075103	0
DWR ID	DWR_RD1	602_01_f _ 201	5_26				
	Action/Comments						

Control annual grass and weeds on the levee slopes and easements.

No Photos

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.20	Rating **	М	Issue No.		28
LM End	0.20	Issue Type +	Ma	Location *	WS	
Earthen Levee				GPS La	atitud	le/Longitude
Calegory	Category					End
Item	Animal Co	ontrol		37.4777	06 °	37.477706 °
item				-121.0806	74 °	-121.080674 °
DWR ID DWR_RD1602_01_f _ 2015_28						
		Action/	Comme	nts		

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A rodent hole was found on the waterside of the levee.

LM Start	0.47	Rating **	М	Issue No.		31	
LM End	0.47	Issue Type + Ma L		Location *		WS	
Category	Earthen L	GPS Latitude/Longitude					
Calegory	Category				Start		
Item	Animal Co	ontrol		37.4796	59 °	37.479659	٥
пеш				-121.0764	19°	-121.076419	٥
DWR ID	DWR_RD1602_01_f _ 2015_31						

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.58	Rating **	U	Issue No.		205
LM End	0.58	Issue Type +	En	Location *		WS
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory						End
Item	DWR UCI	P Field Study		37.48018	32 °	37.480182 °
item					65 °	-121.074765 °
DWR ID						

Action/Comments

Inspector Comments: FS_ID:21623

DS_ID:20215 EP_NO: N/A FS_HLM: 0.58 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Open 60-inch CMP riser on WS needs lid as it's

depth may be a hazard to the public.

FIELD_STRUCT_DESC: 16-inch pipe through levee 11.3 feet below crown. Slide gate in 60-inch corrugated metal pipe riser on the waterward side. Concrete inlet 110-feet west of the levee crown.

Originally included in 1964 O&M manual.

FS Date: 10/01/2013

LM Start	0.58	Rating **	U	Issue No.	205 (cont)
LM End	0.58	Issue Type +	Fn	Location *	WS



Damaged Wooden lid on WS toe.

Photo 2 of 3: UCIP_FA_2015_2267.jpg



CMP riser with slide gate on WS shoulder.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.58	Rating **	U	Issue No.		205 (cont)					
LM End	0.58	Issue Type +	En	Location *		WS					
Category	ental	GPS Latitude/Longitude									
Calegory	Category					End					
Item	DWR UC	IP Field Study		37.48018	32 °	37.480182 °					
item				-121.07476	65 °	-121.074765 °					
DWR ID						·					
		A - 1' 1	A attiaca (O a secondar								

Action/Comments

Inspector Comments: FS_ID:21623

DS_ID:20215 EP_NO: N/A FS_HLM: 0.58 Repair Type: Urgent Crossing Status: Found



60-inch CMP riser on WS shoulder.

LM Start	0.58	Rating **	М	Issue No.		206
LM End	0.58	0.58 Issue Type + En		Location *		WS
Category	Supplemental			GPS La	atitud	le/Longitude
Calegory				Start		End
Item	DWR UCI	IP Field Study		37.4801	76°	37.480176 °
пеш					36°	-121.074736 °
DWR ID						

Action/Comments

Inspector Comments: FS_ID:22937

DS_ID:24681 EP_NO: N/A FS_HLM: 0.582

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this crossing.

FIELD_STRUCT_DESC: Communication line through the levee at an

unknown depth. FS Date: 10/01/2013



Communication line marker on LS shoulder.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.58	Rating **	М	Issue No.		206 (cont)
LM End	0.58	Issue Type +	En	Location *		WS
Category	Suppleme	ental		GPS La	titud	e/Longitude
Calegory		Start		End		
Item	DWR UCI	P Field Study		37.48017	′6 °	37.480176 °
пеш					36°	-121.074736 °
DWR ID						

Action/Comments

Inspector Comments: FS_ID:22937

DS_ID:24681 EP_NO: N/A FS_HLM: 0.582

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: No permit identified for this crossing.

FIELD_STRUCT_DESC: Communication line through the levee at an

unknown depth. FS Date: 10/01/2013

LM Start	0.58	Rating **	М	Issue No.	206 (cont)
LM End	0.58	Issue Type +	En	Location *	WS



Communication line access box on LS shoulder.



Communication line access box on LS shoulder.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.60	Rating **	М	Issue No.		70	
LM End	0.71	Issue Type +	En	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Item	Encroachments			37.47996	7 °	37.478514 °	
item				-121.07458	2 °	-121.073435 °	
DWR ID DWR_RD1602_01_s _ 2012_70							
Action/Comments							

Fence

Inspector Comments: Barbed wire fence along the landward toe.

Photo 1 of 1: FA_2015_RD1602_110_70_20150911_00049.jpg



View of barbed wire fence at landward toe looking upstream.

LM Start	0.77	Rating **	U	Issue No.		207	
LM End	0.77	Issue Type +	En	Location *		WS	
Category	ental	GPS Latitude/Longitude					
Category				Start		End	
Item	DWR UC	IP Field Study		37.4779	93 °	37.477993	
пеш				-121.0726	45 °	-121.072645	
DWR ID							

Action/Comments

Inspector Comments: FS_ID:43084

DS ID:20216 EP_NO: N/A FS_HLM: 0.775 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Flap gate blocked from functioning by soil buildup on WS toe. Soil should be cleared.

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee 14.4 feet below crown. Concrete "U" headwall on both ends. Slide gate in 6'X7' concrete surge box on the waterward shoulder. Flap gate on the waterward end. Originally included in 1964 O&M manual.

FS Date: 10/01/2013



Concrete inlet on LS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.77	Rating **	U	Issue No.		207 (cont)	
LM End	0.77	Issue Type + En		Location *		WS	
Category				GPS Latitude/Longitude			
Calegory	Category				Start		
Item	DWR UCI	P Field Study		37.47799	3°	37.477993 °	
пеш				-121.07264	5°	-121.072645 °	
DWR ID							

Action/Comments

Inspector Comments: FS_ID:43084

DS_ID:20216 EP_NO: N/A FS_HLM: 0.775 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Flap gate blocked from functioning by soil buildup on

WS toe. Soil should be cleared.

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee 14.4 feet below crown. Concrete "U" headwall on both ends. Slide gate in 6'X7' concrete surge box on the waterward shoulder. Flap gate on the waterward end. Originally included in 1964 O&M manual.

FS Date: 10/01/2013

LM Start	0.77	Rating **	U	Issue No.	207 (cont)
I M End	0.77	Issue Type +	Fn	Location *	WS



Slide gate in concrete box on WS shoulder.

Photo 3 of 3: UCIP_FA_2015_2271.jpg



Inlet on LS toe.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.77	Rating **	A/W	Issue No.		72
LM End	0.77	Issue Type + Ma		Location *		WS
Interior Drainage & Piping			GPS Latitude/Longitude			
Calegory	Category Systems					End
Item	Flap Gate	s		37.4779	65 °	37.477965 °
item				-121.072595 °		-121.072595 °
DWR ID DWR_RD1602_01_s _ 2012_72						
			_			

Action/Comments

Inspector Comments: Sediment around the flap gate was cleaned, and the area should be watched for future sediment deposits.



View of the flap gate on the waterside of the levee during fall 2015 inspection.

 LM Start
 0.77
 Rating **
 A/W
 Issue No.
 72 (cont)

 LM End
 0.77
 Issue Type +
 Ma
 Location *
 WS

Photo 2 of 2: FA_2015_RD1602_110_72_20150911_00050.jpg



View of the flap gate on the waterside of the levee during fall 2014 inspection.

LM Start	0.82	Rating **	С	Issue No.		76		
LM End	0.82	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	Animal Control			37.477907 °		37.477907	0	
пеш				-121.071754 °		-121.071754	٥	
DWR ID	DWR_RD1	602_01_s _ 201	12_76					
	Action/Comments							
No rodents	s visible, b	ut rodent burr	ows visib	ole; need to	bac	kfill and		

compact or grout burrows.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side	A : Acceptable M : Minimally Acceptable	N : Not Inspected/Rated C : Corrected	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	0.98	Rating **	М	Issue No.		36		
LM End	0.98	Issue Type +	En	Location *	WS			
Earthen Levee			GPS La	atitud	e/Longitude			
Category		Start		End				
Item	Encroachments			37.478719°		37.478719°		
item				-121.069072 °		-121.069072 °		
DWR ID DWR_RD1602_01_s _ 2012_36								
		Action/	Comme	nts				
Ramp								



View of the ramp on the crown. The picture was taken from crown looking downstream.

LM Start	1.00	Rating **	U	Issue No.		208
LM End	1.00	Issue Type +	En	Location *		WS
Category	Supplemental			GPS Latitude/Longitude		
Category				Start		End
Item	DWR UCI	IP Field Study	37.47881	6°	37.478816 °	
iteiii			-121.06878	° 0	-121.068780 °	
DWR ID						
			_			

Action/Comments

Inspector Comments: FS_ID:21639

DS_ID:20217 EP_NO: N/A FS_HLM: 1.006 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Appears abandoned and if so should be done so

properly. Flapgate missing.

FIELD_STRUCT_DESC: 1 of 2: 16-inch pipe through levee 17.0 feet below crown. Pumps on pump platform on the landward side. Siphon breaker in 24-inch CMP risers on the waterward shoulder. Concrete "U" headwall and flap gate on the waterward end. Originally included in

1964 O&M manual. FS Date: 10/01/2013



Siphon breaker in 24-inch CMP riser on WS shoulder.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.00	Rating **	U	Issue No.		208 (cont)	
LM End	1.00	Issue Type +	En	Location *	cation * WS		
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P Field Study		37.47881	6°	37.478816 °	
пеш				-121.06878	30°	-121.068780 °	
DWR ID							

Action/Comments

Inspector Comments: FS_ID:21639

DS_ID:20217 EP_NO: N/A FS_HLM: 1.006 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Appears abandoned and if so should be done so

properly. Flapgate missing.

FIELD_STRUCT_DESC: 1 of 2: 16-inch pipe through levee 17.0 feet below crown. Pumps on pump platform on the landward side. Siphon breaker in 24-inch CMP risers on the waterward shoulder. Concrete "U" headwall and flap gate on the waterward end. Originally included in 1964 O&M manual.

FS Date: 10/01/2013

LM Start	1.00	Rating **	U	Issue No.	208 (cont)
LM End	1.00	Issue Type +	En	Location *	WS



Siphon breaker in 24-inch CMP riser on WS shoulder.

Photo 3 of 3: UCIP_FA_2015_2285.jpg



Pumping plant on LS toe. Pipe visible under walkway.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.00	Rating **	U	Issue No.	209		
LM End	1.00	Issue Type +	En	Location *	WS		
Category	ental	GPS Latitude/Longitude					
Calegory				Start		End	
Item	DWR UC	P Field Study		37.4788	7°	37.478817 °	
пеш				-121.06877	73 °	-121.068773 °	
DWR ID							
	Action/Comments						

Inspector Comments: FS_ID:21642 DS_ID:20219 EP_NO: N/A

EP_NO: N/A FS_HLM: 1.006 Repair Type: Urgent Crossing Status: Found

LM Start	1.00	Rating **	U	Issue No.	209 (cont)
LM End	1.00	Issue Type +	En	Location *	WS



Concrete headwall on WS toe with missing flapgate.



Siphon breaker covered in soil at CMP riser on WS shoulder.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.00	Rating **	U	Issue No.		209 (cont)
LM End	1.00	Issue Type +	En	Location *		WS
Category	Suppleme	ental		GPS La	atituc	le/Longitude
Calegory	Jalegory					End
Item	DWR UCIP Field Study			37.4788	17°	37.478817 °
item				-121.068773 °		-121.068773 °
DWR ID						
		Action/	Comme	nts		
Inspector Comments: FS_ID:21642 DS_ID:20219 FP_NO: N/A						

EP_NO: N/A FS_HLM: 1.006 Repair Type: Urgent Crossing Status: Found



Pipe visible under walkway at puming plant on LS toe.

LM Start	1.01	Rating **	М	Issue No.	33		
LM End	1.01	Issue Type +	En	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	gory					End	
Item	Encroachments			37.478803 °		37.478803 °	
пеш				-121.0685	89°	-121.068589 °	
DWR ID DWR_RD1602_01_f _ 2015_33							
Action/Comments							

Pipe

Inspector Comments: Abandon pipe.



An abandoned pipe was found on the landside of the levee.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.02	Rating **	U	Issue No.	210		
LM End	1.02	Issue Type +	En	Location *	LS		
Catagony	Category Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P Field Study		37.47877	79°	37.478779 °	
item				-121.06850	08°	-121.068508 °	
DWR ID							

Action/Comments

Inspector Comments: FS_ID:41771

DS_ID:20218
EP_NO: N/A
FS_HLM: 1.021
Repair Type: Urgent
Crossing Status: Found

UCIP Comments: Headwall on WS toe seperated from pipe. Erosion around concrete headwall and undermined at WS toe. Flapgate

missing from WS toe headwall.

FIELD_STRUCT_DESC: 30-inch square reinforced concrete box culvert through levee 25.4 feet below crown. Concrete "U" headwalls on both ends. Slide gate in concrete surge box on the waterward slope. 5'X5' concrete box on LS toe. Flap gate on the waterward end. Originally included in 1964 O&M manual.

FS Date: 10/01/2013

LM Start	1.02	Rating **	U	Issue No.	210 (cont)
LM End	1.02	Issue Type +	En	Location *	LS



Grated inlet at LS toe.

Photo 2 of 2 : UCIP_FA_2015_2290.jpg



Grated inlet and 5'X5' concrete box on LS toe.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.02	Rating **	U	Issue No.	55	
LM End	1.02	Issue Type +	Ма	Location *	WS	
Interior Drainage & Piping			GPS Latitude/Longitude			
Calegory	Category Systems		Start		End	
Itom	Item Concrete Tilting / Settlement			37.478772 °		37.478772 °
пеш				-121.068454 °		-121.068454 °
DWR ID	DWR_RD1	602_01_s _ 201	2_55			

Action/Comments

Inspector Comments: The outlet headwall is tilting away from the pipe rendering the existing flap gate ineffective. The LMA is planning to repair gap between pipe and headwall and stabilize headwall to prevent further damage.



View of the broken headwall on the waterside of the levee during fall 2015 inspection.

 LM Start
 1.02
 Rating **
 U
 Issue No.
 55 (cont)

 LM End
 1.02
 Issue Type +
 Ma
 Location *
 WS

Photo 2 of 3: FA_2015_RD1602_110_55_20150911_00032.jpg



View of the broken headwall on the waterside of the levee during spring 2015 inspection.

LM Start	1.02	Rating **	U	Issue No.	55 (cont)
LM End	1.02	Issue Type +	Ma	Location *	WS





Separation of outfall structure from the outlet pipe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.05	Rating **	М	Issue No.	37		
LM End	1.05	Issue Type +	Ма	Location *	WS		
Earthen Levee			GPS Latitude/Longitude				
Category						End	
Item	Slope Sta	bility		37.478567°		37.478567	
item				-121.067847 °		-121.067847	
DWR ID DWR_RD1602_01_s _ 2012_37							
	Action/Comments						

topoir along instability

Repair slope instability.

Inspector Comments: Small amount of slumping at waterside toe of the levee.

LM Start	1.05	Rating **	М	Issue No.	37 (cont)
LM End	1.05	Issue Type +	Ma	Location *	WS



Updated picture of the depression at the waterside toe of the levee. The picture was taken from the crown of the levee looking upstream.

Photo 2 of 2: FA_2015_RD1602_110_37_20150911_00018.jpg



Depression at the waterside slope of the levee during Spring 2011 inspection.

Photo 1 of 2: FA_2015_RD1602_110_11_20150911_00002.jpg

LM Start	1.11	Rating **	М	Issue No.	11		
LM End	1.11	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Animal Co	ontrol		37.4783	71 °	37.478371 °	
пеш				-121.066793 °		-121.066793 °	
DWR ID DWR_RD1602_01_s _ 2013_11							
Action/Comments							



Rodent holes were found on the waterside slope of the levee looking downstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.11 Rating ** M			Issue No.		11 (cont)	
LM End	1.11	Issue Type +	Ma	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory	gory			Start		End	
Item	Animal Co	ontrol		37.4783	71 °	37.478371	
item				-121.06679	93 °	-121.066793	
DWR ID DWR_RD1602_01_s _ 2013_11							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 2 of 2 : FA_2015_RD1602_110_11_20150911_00003.jpg



A rodent hole was found on the waterside toe of the levee looking downstream.

LM Start	1.13	Rating **	С	Issue No.	19		
LM End	1.13	Issue Type +	En	Location *	LS		
Catagori Earthen Levee			GPS La	atitud	e/Longitude		
Category	egory			Start		End	
Item	Encroach	ments		37.4783	12 °	37.478312	0
item				-121.0664	32 °	-121.066432	0
DWR ID DWR_RD1602_01_s _ 2015_19							
	Action/Comments						

Action/Comments

Pipe

Inspector Comments: A PVC pipe was found on the landside toe of the levee.

No Photos

LM Start	1.14	Rating **	М	Issue No.		65	
LM End	1.14	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory						End	
Item	Animal Co	ontrol		37.47828	85 °	37.478285	0
item			-121.06629	99°	-121.066299	0	
DWR ID DWR_RD1602_01_f _ 2012_65							

Action/Comments



Updated picture of rodent hole on the waterside slope of the levee looking upstream during fall 2013 inspection.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.14	Rating ** M		Issue No.		65 (cont)
LM End	1.14	Issue Type +	Ma	Location *	Location *	
Catagoria Earthen Levee			GPS Latitude/Longitude			
Category				Start		End
Item	Animal Co	ontrol		37.47828	35 °	37.478285 °
item				-121.06629	99°	-121.066299 °
DWR ID DWR_RD1602_01_f _ 2012_65						
		Action/	Commo	ntc		

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 2 of 2: FA_2015_RD1602_110_65_20150911_00044.jpg



Rodent holes were found on the waterside toe of the levee. The picture was taken from toe of the levee looking towards the crown.

LM Start	1.19	Rating **	М	Issue No.	29		
LM End	1.76	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Vegetatio	n		37.4782	97 °	37.475610 °	
пеш				-121.0655	00 °	-121.057955 °	
DWR ID DWR_RD1602_01_f _ 2015_29					·		
	Action/Comments						

Control annual grass and weeds on the levee slopes and easements.



View of the vegetation on the waterside of the levee.

LM Start	1.19	Rating **	U	Issue No.	79		
LM End	1.19	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End		
Item	Animal Co	ontrol		37.47832	24 °	37.478324 °	
пеш				-121.06544	14 °	-121.065444 °	
DWR ID	DWR ID DWR_RD1602_01_s _ 2012_79						
	Action/Comments						



Updated picture of the rodent holes on the waterside toe of the levee during spring 2014 inspection.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W: Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.19	1.19 Rating ** U		Issue No.		79 (cont)	
LM End	1.19	Issue Type +	Ма	Location *		WS	
Earthen Levee			GPS Latitude/Longitude				
Category	y			Start		End	
Item	Animal Co	ontrol		37.47832	24 °	37.478324	۰
item				-121.06544	44 °	-121.065444	٥
DWR ID DWR_RD1602_01_s _ 2012_79							
		Action/	Commo	ntc			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 2 of 2 : FA_2015_RD1602_110_79_20150911_00060.jpg



A rodent hole was found on the waterside toe of the levee looking downstream.

LM Start	1.53	Rating **	М	Issue No.	34	
LM End	1.66	Issue Type +	Ma	Location *	LS	
Category Earthen Levee			GPS Latitude/Longitude			
Calegory						End
Item	Vegetatio	n		37.47840)5 °	37.477004 °
пеш				-121.05986	62 °	-121.058378 °
DWR ID	DWR ID DWR_RD1602_01_f _ 2015_34					
	Action/Comments					

Control annual grass and weeds on the levee slopes and easements.

No Photos

LM Start	1.61	Rating **	М	Issue No.	43		
LM End	2.27	Issue Type +	En	Location *	LS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item	Encroach	ments		37.47766	3 °	37.470264 °	
пеш				-121.05871	6°	-121.054377 °	
DWR ID	DWR_RD1	_RD1602_01_s _ 2012_43					
	Action/Comments						

Inspector Comments: Fence at the landside toe of the levee.



View of the fence on the landside toe of the levee. The picture was taken from crown looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.66	Rating **	U	Issue No.		20	
LM End	1.66	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Animal Co	ontrol		37.4770	07 °	37.477007	
item				-121.0583	72 °	-121.058372	
DWR ID DWR_RD1602_01_s _ 2015_20							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



View of rodent holes on the landside of the levee looking upstream.

LM Start	1.66	Rating **	М	Issue No.		78
LM End	1.76	Issue Type +	Ma	Location *		LS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Vegetatio	n		37.4770	04 °	37.475614 °
iteiii				-121.0583	79 °	-121.057953 °
DWR ID DWR_RD1602_01_f _ 2015_78						·

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.



View of the vegetation on the landside of the levee.

LM Start	1.69	Rating **	U	Issue No.		18	
LM End	1.69	Issue Type +	Ma	Location *		WS	
Category	Earthen L	arthen Levee			GPS Latitude/Longitude		
Category				Start		End	
Item	Animal Co	ontrol		37.4765	76 °	37.476576	
пеш				-121.0581	74 °	-121.058174	
DWR ID	DWR_RD1	602_01_s _ 201	3_18				

Action/Comments



A rodent hole was found on the waterside toe of the levee looking downstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	1.72	Rating **	С	Issue No.	32		
LM End	1.72	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	y			Start		End	
Item	Animal Co	ontrol		37.4762	14°	37.476214	0
item				-121.0580	25 °	-121.058025	0
DWR ID	DWR_RD1	602_01_f _ 201	4_32				
		Action/	Comme	nts			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

LM Start	1.99	Rating **	M	Issue No.		80	
LM End	2.41	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Long		le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.47232	2 °	37.470282	0
пеш				-121.05789	3°	-121.051785	0
DWR ID	DWR_RD1	602_01_f _ 201	5_80				
		Action/	Commer	nts			

Control annual grass and weeds on the levee slopes and easements.

LM Start	2.00	Rating **	М	Issue No.		82	
LM End	2.76	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee		GPS Latitude/Longitu		e/Longitude		
Category				Start		End	
Item	Vegetatio	n		37.47219	8 °	37.467236	0
пеш				-121.05787	0 °	-121.046905	0
DWR ID	DWR_RD1	602_01_f _ 201	5_82				
		Action/	Comme	nts			

Control annual grass and weeds on the levee slopes and easements.

No Photos

No Photos

No Photos

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	2.03	Rating **	М	Issue No.		45
LM End	2.03	Issue Type +	e + En Location *			LS
Catagory	Earthen Levee			GPS Latitude/Longitude		
Category			Start		End	
Item	Encroachments			37.4717	34 °	37.471734 °
item				-121.0576	70°	-121.057670 °
DWR ID DWR_RD1602_01_s _ 2012_45						
		A ation/	Commo	nto		

Action/Comments

Equipment

Inspector Comments: A well is present at the toe of the landside of the slope.





A well is located at the landside toe of the levee. The picture was taken from the crown looking toward the landside of the levee.

LM Start	2.10	Rating **	М	Issue No.		85
LM End	2.10	Issue Type +	Ma	Location *		WS
Earthen Levee			GPS Latitude/Longitude			
Category				Start		End
Item	Animal Control			37.4708	58 °	37.470858 °
item				-121.0571	40 °	-121.057140 °
DWR ID DWR_RD1602_01_s _ 2012_85						
		Action/	Commo	ntc		

Action/Comments

Issue No.

Location *

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Rating **

Issue Type +

2.10

2.10

LM Start

LM End

Photo 1 of 2 : FA_2015_	RD1602_110_	_85_20150911	_00062.jpg
No.	THE REAL PROPERTY.		
			A SA
	4		
		10/06/	2019
Property of the second second	A STATE OF THE STA		200

Updated picture of a rodent hole on the waterside shoulder of the levee looking upstream during fall 2013 inspection.

85 (cont) WS

Photo 2 of 2: FA_2015_RD1602_110_85_20150911_00063.jpg



A rodent hole was found on the waterside shoulder of the levee looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement
·			

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	2.23	Rating **	М	Issue No.		59
LM End	3.43	Issue Type +	Type + En Location *			LS
Catagonia Earthen Levee			GPS Latitude/Longitude			
Category		Start		End		
Item	Encroachments			37.4701	19°	37.459606 °
item				-121.0551	17°	-121.043240 °
DWR ID DWR_RD1602_01_s _ 2012_59						
		Action/	Comme	nte		

1

Ditch

Inspector Comments: Concrete ditch was constructed before the levee was built.

Photo 1 of 1 : FA_2015_RD1602_110_59_20150911_00036.jpg



Concrete drain was built at the toe of the levee. The picture was taken from the crown looking upstream.

LM Start	2.27	Rating **	С	Issue No.		35
LM End	2.27	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS Latitude/Longitud		
Calegory				Start		End
Item	Animal Co	ontrol		37.47029	90°	37.470290 °
пеш				-121.05427	78 °	-121.054278 °
DWR ID DWR_RD1602_01_f _ 2013_35						
		Action/	Comme	nts		

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	2.41	Rating **	М	Issue No.		38		
LM End	3.42	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	e/Longitude			
Category				Start		End		
Item	Vegetatio	n		37.47028	2 °	37.459728 °		
пеш				-121.05178	5 °	-121.043070 °		
DWR ID DWR_RD1602_01_f _ 2015_38								
	Action/Comments							

Control annual grass and weeds on the levee slopes and easements.



Photo 1 of 1: FA_2015_RD1602_110_38_20151023_00094.jpg

View of the vegetation on the waterside of the levee.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	2.93	Rating **	М	Issue No.		83	
LM End	3.42	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitud			
Calegory				Start		End	
Item	Vegetatio	n		37.4653	92 °	37.459728	0
пеш				-121.0447	55 °	-121.043070	0
DWR ID DWR_RD1602_01_f _ 2015_83							
		Action/	Comme	nts			

Remove the wild growth other than native grasses from the levee slopes.

No Photos

LM Start	2.97	Rating **	М	Issue No.		23	
LM End	2.97	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
				Start		End	
Item	Animal Co	ontrol		37.4649	55 °	37.464955 °	
item				-121.0444	15 °	-121.044415 °	
DWR ID DWR_RD1602_01_s _ 2015_23							
		Action/	Comme	nts			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 1 of 1: FA_2015_RD1602_110_23_20150911_00010.jpg

View of rodent holes on the landside slope of the levee looking upstream.

LM Start	3.27	Rating **	U	Issue No.		84	
LM End	3.27	Issue Type +	En	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
			Start		End		
Item	Encroachments			37.4615 ²	12 °	37.461512 °	
пеш			-121.04158	32 °	-121.041582 °		
DWR ID	DWR_RD1602_01_f _ 2015_84						
Action/Comments							

Pipe

Inspector Comments: Abandon pipe, slide gate.



View of abandoned pipe and slide gate on the waterside of the levee.

** Rating
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
AW: Acceptable but Monitor & Maintain

** Rating
A: Assue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.27 Rating **		U	Issue No.		211		
LM End	3.27	Issue Type +	En	Location *		WS		
Category				GPS Latitude/Longitude				
Calegory			Start		End			
Item	DWR UCIP Field Study			37.46150)7 °	37.461507 °		
item				-121.04160)9 °	-121.041609 °		
DWR ID								

Action/Comments

Inspector Comments: FS_ID:21652

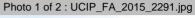
DS_ID:20204 EP_NO: 8193 FS_HLM: 3.296 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Appears abandoned, and if so should be done so properly. No handle on slide gate, no cover on CMP standpipe on WS

shoulder.

FIELD_STRUCT_DESC: 16-inch pipe through levee 11.5 feet below crown. Slide gate in 60-inch corrugated metal pipe riser on the waterward slope. Discharge into concrete-lined ditch on the landward side (Permit No. 8193, 1964). Originally included in 1964 O&M manual. FS Date: 10/01/2013

LM Start	3.27	Rating **	U	Issue No.	211 (cont)
LM End	3.27	Issue Type +	En	Location *	WS





Slide gate in 60-inch CMP riser on WS shoulder.



Pipe visible in concrete channel on LS toe.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.30 Rating ** N			Issue No.	54		
LM End	3.46	Issue Type +	En	Location *		LS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Encroach	Encroachments			7°	37.459242 °	
item				-121.04178	5 °	-121.043582 °	
DWR ID	DWR_RD1602_01_f _ 2013_54					·	
Action/Comments							

Ditch

Inspector Comments: Concrete lined ditch on the landside toe of the levee.



A concrete lined ditch was found on the landside toe of the levee looking upstream.

LM Start	3.30	Rating **	С	Issue No.	40		
LM End	3.30	Issue Type +	Ma	Location *		WS	
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Itom	Animal Co	ontrol		37.46114	40 °	37.461140 °	
пеш	Item			-121.04178	35 °	-121.041785 °	
DWR ID	DWR_RD1	4_40					
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	3.37	Rating **	М	Issue No. 50		50	
LM End	3.53	Issue Type +	En	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Encroachments			37.46032	27 °	37.458373 °	
пеш				-121.04249	97 °	-121.044081 °	
DWR ID	DWR_RD1	12_50					
Action/Comments							

Inspector Comments: A ditch is located on waterside toe of the levee.



A ditch was located on the waterside toe of the levee. The picture was taken from the crown looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.44	Rating **	С	Issue No.		24		
LM End	3.44	Issue Type +	Ma	Location *	WS			
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Animal Co	Animal Control			52 °	37.459552	0	
item				-121.0433	15 °	-121.043315	0	
DWR ID	DWR_RD1	602_01_s _ 201						
Action/Comments								

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

LM Start	3.49	Rating **	С	Issue No.		25			
LM End	3.49	Issue Type +	Ma	Location *	WS				
Category	Earthen L	evee	GPS Latitude/Longitude						
Calegory				Start		End			
Item	Animal Control			37.45890	3°	37.458903	0		
пеш				-121.04377	5 °	-121.043775	0		
DWR ID	DWR_RD1	602_01_s _ 201	5_25						
Action/Comments									

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

LM Start	3.49	Rating **	С	Issue No.		106		
LM End	3.49	Issue Type +	Ма	Location *	WS			
Category Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	Animal Co	ontrol		37.45881	0 °	37.458810	•	
пеш				-121.04385	0 °	-121.043850	٥	
DWR ID DWR_RD1602_01_f _ 2012_106								
	Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

No Photos

No Photos

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.51	Rating **	С	Issue No.		27						
LM End	3.51	Issue Type +	Ma	Location *		WS						
Category Earthen Levee				GPS Latitude/Longitude								
Calegory				Start		End						
Item	Animal Control			37.4585	72 °	37.458572	0					
пеш				-121.0439	57°	-121.043957	0					
DWR ID DWR_RD1602_01_s _ 2015_27												
		Action/	Comme	nts		Action/Comments						

No rodents visible, but rodent burrows visible; need to backfill and

No Photos

 LM Start
 3.62
 Rating **
 C
 Issue No.
 30

 LM End
 3.62
 Issue Type +
 Ma
 Location *
 WS

 Earthen Levee
 GPS Latitude/Longitude

 Category
 Start
 End

 Item
 Animal Control
 37.457072 ° 37.457072 °

 -121.044687 ° -121.044687 °

DWR ID DWR_RD1602_01_s _ 2015_30

Action/Comments

compact or grout burrows.

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

3.80 Rating ** Issue No. LM Start Location * LS 3.80 Issue Type + Ma LM End Earthen Levee GPS Latitude/Longitude Category End Encroachments 37.454872° 37.454872° Item -121.043370° -121.043370° DWR ID DWR_RD1602_01_s _ 2012_15 Action/Comments

No Photos

Garbage

* Location

LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.80	Rating **	М	Issue No.		86	
LM End	3.80	Issue Type +	Ма	Location *		WS	
Catagony	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Animal Co	ontrol		37.454858 °		37.454858	٥
item				-121.04336	64 °	-121.043364	٥
DWR ID DWR_RD1602_01_f _ 2015_86							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 1 of 1: FA_2015_RD1602_110_86_20151023_00096.jpg



A rodent hole was found on the waterside of the levee.

LM Start	3.82	Rating **	М	Issue No.		42	
LM End	3.82	Issue Type +	En	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		37.454574 °		37.454574 °	
iteiii				-121.0431	42 °	-121.043142 °	
DWR ID DWR_RD1602_01_s _ 2012_42							
Action/Comments							
Landscapi	Landscaping						



Remove landscaping from within 10' of landside toe.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.86	Rating **	U	Issue No.		212		
LM End	3.86	Issue Type +	En	Location *		LS		
Catagony	Category				GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR UCI	P Field Study		37.45408	0°	37.454080	0	
item				-121.04275	8 °	-121.042758	0	
DWR ID								

Action/Comments

Inspector Comments: FS_ID:21656

DS_ID:20206 EP_NO: 7796 FS_HLM: 3.893 Repair Type: Urgent

Crossing Status: Indicator Found

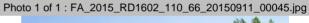
UCIP Comments: Gasline needs sign markers at levee.

FIELD_STRUCT_DESC: 12.75-inch gas line crossing through levee 3.0 feet below crown (Permit No. 7796, 1972). Originally included in the

1964 O&M manual. FS Date: 10/01/2013

LM Start	3.87	Rating **	M	issue No.		66	
LM End	3.92	Issue Type +	En	Location *		LS	
Category	evee	GPS Latitude/Longitude					
Category			Start		End		
Item	Encroachments			37.453936 °		37.453309°	
Itom				-121.042673 °		-121.042191 °	
DWR ID	DWR_RD1	602_01_f _ 201	3_66				
Action/Comments							
Fence							

No Photos





Fences were found on the landside toe of the levee looking upstream.

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.88	Rating **	М	Issue No.		94		
LM End	3.88	Issue Type +	Ма	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Category				Start		End		
Item	Animal Co	ontrol		37.4538	91 °	37.453891	0	
item				-121.0426	29°	-121.042629	0	
DWR ID DWR_RD1602_01_s _ 2012_94								
	Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 1 of 1 : FA_2015_RD1602_110_94_20150911_00064.jpg

Rodent holes were found on the waterside toe of the levee looking upstream.

LM Start	3.93	Rating **	М	Issue No.		62				
LM End	3.93	Issue Type +	Ma	Location *	LS					
Category	evee	GPS Latitude/Longitude								
Category				Start		End				
Item	Slope Sta	bility		37.4532	16 °	37.453216 °				
item	-121.042127 ° -121.04212									
DWR ID DWR_RD1602_01_s _ 2012_62										
		Action/	Action/Comments							

Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comments: Significant damage to USACE constructed seepage berm due to human activity.



Repair damage to USACE constructed seepage berm by pedestrian and cycle traffic at LM 3.96.

LM Start	3.94	М	Issue No.		63	
LM End	4.04	Issue Type +	En	Location *		LS
Category	Catagoria Earthen Levee				atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		37.4529	83 °	37.451866 °
пеш				-121.0423	01 °	-121.041206 °
DWR ID	ID DWR_RD1602_01_s _ 2012_63					
Action/Comments						
Fence						



View of a barbed wire fence on the landward slope looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	3.96	Rating **	М	Issue No.		47		
LM End	3.96	3.96 Issue Type + Ma				WS		
Category	Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End		
Item	Animal Co	ontrol		37.4528	77 °	37.452877	٥	
пеш				-121.0418	62 °	-121.041862	٥	
DWR ID DWR_RD1602_01_s _ 2015_47								
Action/Comments								

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



Rodent holes were found on the waterside of the levee looking upstream.

LM Start	3.99 Rating ** M		Issue No.		49		
LM End	3.99	Issue Type +	Ма	Location *		LS	
Category	GPS La	titud	le/Longitude				
Calegory				Start		End	
Item	Animal Co	ontrol		37.45251	8 °	37.452518	0
item				-121.04166	3°	-121.041663	0
DWR ID DWR_RD1602_01_s _ 2015_49							

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	4.00	Issue No.		51			
LM End	4.00	Issue Type +	Location *		WS		
Category	Earthen L	GPS Lat	tud	e/Longitude			
Category		Start		End			
Item	Animal Co	Animal Control			o°	37.452370	٥
пеш			-121.04148	2°	-121.041482	0	
DWR ID	DWR_RD1						

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A number of rodent holes were found on the waterside slope of the levee.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable CR : Corrected U : Unacceptable U : Unacceptable U : M : Acceptable WS : Acceptable U : Unacceptable U : Unacc

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.01	4.01 Rating ** M				53	
LM End	4.01	Ма	Location *	WS			
Category	GPS La	titud	le/Longitude				
Calegory			Start		End		
Item	Animal Co	ontrol		37.4522	42 °	37.452242	0
item			-121.0413	73 °	-121.041373	0	
DWR ID DWR_RD1602_01_s _ 2015_53							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A rodent hole was found on the waterside shoulder of the levee looking downstream.

LM Start	4.09	Rating **	С	Issue No.	41		
LM End	4.09	4.09 Issue Type + Ma				WS	
Category	Earthen Levee					le/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		37.45134	44 °	37.451344°	
пеш			-121.0404°	15 °	-121.040415 °		
DWR ID	DWR ID DWR_RD1602_01_f _ 2014_41						
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No	DL	-	
INO	м	w	US.

LM Start	4.12	Rating **	С	Issue No.		17	
LM End	4.12	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	itud	le/Longitude	
Calegory				Start		End	
Item	Animal Co	Animal Control			1°	37.451051	0
item				-121.04010	9 °	-121.040109	0
DWR ID	DWR_RD1	602_01_s _ 201	2_17				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side	A : Acceptable M : Minimally Acceptable	N : Not Inspected/Rated C : Corrected	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.15	Rating **	М	Issue No.		88	
LM End	4.15	Issue Type +	Ma	Location *	WS		
Category	evee	GPS Latitude/Longitude					
Calegory		Start		End			
Itom	Animal Co	ontrol		37.45062	23 °	37.450623	0
-121.039763 ° -121.039						-121.039763	0
DWR ID DWR_RD1602_01_f _ 2015_88							
		Action/	Comma	nte			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.





An animal borrow was found on the waterside of the levee.

LM Start	4.15	Rating **	М	Issue No.		87	
LM End	4.23	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	Vegetation			23 °	37.449644 °	
пеш				-121.0397	63 °	-121.038996 °	
DWR ID	DWR ID DWR_RD1602_01_f _ 2015_87						

Action/Comments

Control annual grass and weeds on the levee slopes and easements.

No Photos

LM Start	4.19	Rating **	С	Issue No.		190	
LM End	4.19	Issue Type +	Ma	Location *	WS		
Category	Category Earthen Levee					e/Longitude	
Category				Start		End	
Animal Control		ontrol		37.4502	41 °	37.450241	0
item	21 °	-121.039421	0				
DWR ID DWR_RD1602_01_s _ 2014_190							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.19	Rating **	U	Issue No.		44
LM End	4.19	Issue Type +	Ma	Location *		LS
Category	evee	GPS Latitude/Longitude				
Calegory			Start		End	
Item	Animal Co	ontrol		37.45019	95 °	37.450195 °
-121.039406 ° -121.039406						
DWR ID DWR_RD1602_01_f _ 2014_44						
		A ation/	Commo	nto		

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A rodent hole was found on the landside shoulder of the levee looking upstream.

LM Start	4.19	Rating **	U	Issue No.		46
LM End	4.19	Issue Type +	Ma	Location *	WS	
Category	evee	GPS Latitude/Longitude				
Calegory		Start	End			
Itom	Animal Control				95 °	37.450195 °
-121.039406 °						-121.039406 °
DWR ID DWR_RD1602_01_f _ 2014_46						
		A - 1' 1	<u> </u>	- 1 -		

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



View of the rodent holes on the waterside slope of the levee. The picture was taken from the toe of the levee during fall 2014 inspection.

LM Start	4.20	Rating **	М	Issue No.		56	
LM End	4.20	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory	Category		Start End		End		
Item	Animal Co	ontrol		37.45008	8 °	37.450088	0
itelli				-121.03930	7°	-121.039307	0
DWR ID	DWR_RD1	602_01_s _ 201	5_56				
			_				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.20	Rating **	М	Issue No.		57
LM End	4.20	Issue Type +	Ma	Location *		WS
Category	evee	GPS Latitude/Longitude				
Calegory				Start		End
Item	Animal Co	ontrol		37.45008	88°	37.450088 °
ILEIII	-121.039307 ° -121.0					
DWR ID DWR_RD1602_01_s _ 2015_57						
			_			

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



Rodent holes were found on the waterside of the levee looking upstream.

LM Start	4.21	Rating **	С	Issue No.		58	
LM End	4.21	Issue Type +	Ma	Location *		LS	
Category	Earthen Levee				GPS Latitude/Longitude		
Calegory			Start		End		
Item	Animal Co	Animal Control			° 80	37.450008 °	
ILEIII				-121.0392	35 °	-121.039235 °	
DWR ID	DWR ID DWR_RD1602_01_s _ 2015_58						

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	4.29	Rating **	U	Issue No.		191	
LM End	4.29	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Category				Start		End	
Item	Animal Co	ontrol		37.4489	87 °	37.448987	0
item				-121.0385	74 °	-121.038574	0
DWR ID	DWR_RD1	602_01_s _ 201	4_191				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A rodent hole was found on the waterside toe of the levee looking downstream.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated C: Corrected Ob: Design & System Obsolescence

M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.32	Rating **	С	Issue No.	192			
LM End	4.32	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start E	End			
Item	Animal Co	ontrol		37.44847	74 °	37.448474 °		
пеш				-121.03826	ation * WS GPS Latitude/Longitud Start End 37.448474 ° 37.448	-121.038265 °		
DWR ID	DWR_RD1	602_01_s _ 201	14_192					
		Action/	Comme	nts				

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	4.34	Rating **	М	Issue No.		52		
LM End	4.34	Issue Type +	Ma	Location *	WS			
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start End		End		
Item	Animal Co	ontrol		37.4483	27 °	37.448327 °		
item				Start End 37.448327 ° 37.44832	-121.038192 °			
DWR ID	DWR_RD1	602_01_f _ 201	2_52			·		
		A ation/	Camma	n+0				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A rodent hole was found on the waterside toe of the levee looking downstream.

LM Start	4.35	Rating **	U	Issue No.		109		
LM End	4.35	Issue Type +	Ma	Location *		la Location *		WS
Category Earthen Levee			GPS Latitude/Longitude					
Category				Start		End		
Item	Animal Co	ontrol		37.44807	6°	37.448076 °		
item				-121.03803	7 °	-121.038037 °		
DWR ID	DWR_RD1	602_01_f _ 201	2_109					
			_					

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



Updated pictures of rodent holes were found on the waterside toe of the levee looking upstream.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.35	Rating **	U	Issue No.		109 (cont)	
LM End	4.35	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start End	End		
Item	Animal Control			37.4480	76°	37.448076	
item				Location * WS GPS Latitude/Longitude Start End 37.448076 ° 37.4480 -121.038037 ° -121.0380	-121.038037		
DWR ID DWR_RD1602_01_f _ 2012_109							
		Action/	Commo	ntc			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 2 of 2: FA_2015_RD1602_110_109_20150911_00069.jpg



A rodent hole was found on the waterside toe of the levee looking downstream.

LM Start	4.36	Rating **	М	Issue No.	60		
LM End	4.36	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitud				
Calegory				Start	End		
Animal Control		37.448033 ° 37.44		37.448033 °			
Item				37.448033 ° 37.4480 -121.037955 ° -121.0379	-121.037955 °		
DWR ID DWR_RD1602_01_s _ 2015_60						·	
	Action/Comments						

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



Animal holes were found on the waterside slope of the levee looking upstream.

Photo 1 of 1: FA_2015_RD1602_110_67_20150911_00046.jpg

LM Start	4.42	Rating **	М	Issue No.		67			
LM End	4.88	Issue Type +	En	Location *	LS				
Catagony	Category Earthen Levee				GPS Latitude/Longitude				
Calegory					End				
Item	Encroachments			37.4472	13 °	37.441014 °			
пеш				-121.03766	65 °	-121.036932 °			
DWR ID	DWR_RD1	602_01_s _ 201	12_67						
	Action/Comments								
Fence									



View of the fence on the landside toe of the levee. The picture was taken from the crown looking upstream.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.43	Rating **	С	Issue No.	48		
LM End	4.43	Issue Type +	Ma	Location *		WS	
Catagory	Category Earthen Levee				atitud	e/Longitude	
Calegory				Start	End		
Item	Animal Co	ontrol		37.4470	98 °	37.447098	0
пеш				-121.0377	24 °	-121.037724	0
DWR ID DWR_RD1602_01_f _ 2014_48							
		Action/	Comme	nts			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	4.47	Rating **	U	Issue No.		213	
LM End	4.47	Issue Type +	En	Location *	Location * WS		
Category				GPS La	titud	le/Longitude	
Calegory		Start		End			
Item	DWR UCI	P Field Study		37.44654	15 °	37.446545	۰
item				-121.03794	l1°	-121.037941	0
DWR ID							

Action/Comments

Inspector Comments: FS_ID:21657

DS_ID:20207 EP_NO: 8195 FS_HLM: 4.505 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Lid missing from 60-inch CMP riser, may be an

attractive nuissance or hazard to public.

FIELD_STRUCT_DESC: 18-inch pipe through levee 10.0 feet below crown. Slide gate in 60-inch corrugated metal pipe riser on the waterward slope. Concrete discharge box on landward end. Pipe is buried across waterward berm to pump on the riverbank approximately 1,000 feet from the levee. (Permit No. 8195, 1972). Originally included in 1964 O&M manual.

in 1964 O&M manual. FS Date: 10/01/2013



Concrete ditch at outlet from pipe on LS toe.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.47	Rating **	U	Issue No.		213 (cont)
LM End	4.47	Issue Type +	En	Location *		WS
Category	ental	GPS Latitude/Longitude				
Calegory	gory					End
Item	DWR UCI	P Field Study		37.44654	15 °	37.446545 °
item				-121.03794	11 °	-121.037941 °
DWR ID						

Action/Comments

Inspector Comments: FS_ID:21657

DS_ID:20207 EP_NO: 8195 FS_HLM: 4.505 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Lid missing from 60-inch CMP riser, may be an

attractive nuissance or hazard to public.

FIELD_STRUCT_DESC: 18-inch pipe through levee 10.0 feet below crown. Slide gate in 60-inch corrugated metal pipe riser on the waterward slope. Concrete discharge box on landward end. Pipe is buried across waterward berm to pump on the riverbank approximately 1,000 feet from the levee. (Permit No. 8195, 1972). Originally included in 1964 O&M manual.

FS Date: 10/01/2013

LM Start	4.47	Rating **	U	Issue No.	213 (cont)
LM End	4.47	Issue Type +	En	Location *	WS



Slide gate in CMP riser on WS slope.

Photo 3 of 3: UCIP_FA_2015_0560.jpg



Slide gate in CMP riser on WS slope.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.47	Rating **	М	Issue No.		64	
LM End	4.63	Issue Type +	En	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Encroach	ments		37.446485 °		37.444290 °	
item				-121.038037 °		° -121.037953 °	
DWR ID	DWR_RD1	602_01_s _ 201	2_64				
		Action/	Comme	nts			
Ditch							



View of a ditch on the landside toe of the levee looking upstream.

LM Start	4.59	Rating **	U	Issue No.	68		
LM End	4.59	Issue Type +	Ma	Location *		WS	
Category	GPS La	titud	e/Longitude				
Calegory				Start		End	
Item	Animal Co	ontrol		37.4448	38 °	37.444838	0
пеш				-121.0376	87 °	-121.037687	0
DWR ID DWR_RD1602_01_s _ 2015_68							

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.



A number of rodent holes were found on the waterside slope of the levee looking upstream.

LM Start	4.61	Rating **	С	Issue No.	ssue No. 69		
LM End	4.61	Issue Type +	Ma	Location *		WS	
Category	evee	GPS La	atitud	e/Longitude			
Calegory				Start End			
Item	Animal Co	ontrol		37.4445	92 °	37.444592 °	
item				-121.0378	10°	-121.037810 °	
DWR ID DWR_RD1602_01_s _ 2015_69							
		Action/	Comme	nts			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.67	Rating **	С	Issue No.	71	
LM End	4.67	Issue Type +	Ma	Location *	WS	
Category	Earthen L	evee	GPS Latitude/Longitude			
Calegory			Start End			
Item	Animal Co	ontrol		37.4437	37 °	37.443737
пеш				-121.0379)5 °	-121.037905 °
DWR ID DWR_RD1602_01_s _ 2015_71						
		Action/	Comme	nts		

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Rating ** С Issue No. LM Start 4.68 73 LM End 4.68 Issue Type + Ma Location * WS Earthen Levee GPS Latitude/Longitude Category Start End **Animal Control** 37.443617° 37.443617 ° Item -121.037783 ° -121.037783 ° DWR ID DWR_RD1602_01_s _ 2015_73 Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Rating ** 4.68 Issue No. LM Start Location * WS 5.27 Issue Type + Ma LM End Earthen Levee GPS Latitude/Longitude Category End Vegetation 37.443492 ° 37.435795° Item -121.037742 ° -121.035570° DWR ID DWR_RD1602_01_f _ 2015_89 Action/Comments

Control annual grass and weeds on the levee slopes and easements.

No Photos

No Photos

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	4.77	Rating **	М	Issue No.	74		
LM End	4.77	Issue Type +	Ma	Location *	on * WS		
Category Earthen Levee				GPS Latitude/Longitude			
Category			Start		End		
Itom	Animal Co	ontrol		37.4424	65 °	37.442465	0
пеш	Item				47 °	-121.036947	0
DWR ID DWR_RD1602_01_s _ 2015_74							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

Rating ** Issue No. LM Start 4.89 Μ 90 Location * LM End 5.23 Issue Type + Ma LS Earthen Levee GPS Latitude/Longitude Category End Start Vegetation 37.440829 ° 37.436202 ° Item -121.037054° -121.036126 ° DWR ID DWR_RD1602_01_f _ 2015_90 Action/Comments

Control annual grass and weeds on the levee slopes and easements.

No Photos

LM Start	5.09	Rating **	М	Issue No.		199	
LM End	5.09	Issue Type +	Ma	Location *		WS	
Category	Category Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End	
Item	Animal Co	Animal Control			65 °	37.438165 °	
Item				-121.0370	73 °	-121.037073 °	
DWR ID	DWR_RD1	602_01_s _ 201	14_199				

Action/Comments

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Photo 1 of 1 : FA_2015_RD1602_110_199_20150911_00073.jpg



Rodent holes were found on the waterside toe of the levee looking upstream.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated C: Corrected Ob: Design & System Obsolescence

M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating

A: Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	5.10	Rating **	С	Issue No.		81	
LM End	5.10	Issue Type +	Ma	Location *	WS		
Earthen Levee			GPS La	GPS Latitude/Longitude			
Calegory	Category			Start End		End	
Item	Animal Co	ontrol		37.4379	03 °	37.437903	0
item	m			-121.0370	40 °	-121.037040	0
DWR ID DWR_RD1602_01_s _ 2015_81							
Action/Comments							

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	5.19	Rating **	U	Issue No.		214	
LM End	5.19	Issue Type +	En	Location *		WS	
Category	GPS Latitude/Longitude						
Calegory	Category					End	
Item	DWR UCIP Field Study			37.4367	48 °	37.436748	0
пеш				-121.0365	97 °	-121.036597	0
DWR ID							

Action/Comments

Inspector Comments: FS_ID:42983

DS ID:20208 EP_NO: N/A FS_HLM: 5.229 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Soil and debris prevent flapgate from proper function. Slide gate won't close completely due to sediment buildup.

CMP riser needs cover.

FIELD_STRUCT_DESC: 24-inch pipe through levee 11.6 feet below crown. Concrete headwall on the landward end. Concrete "U" headwall and flap gate on the waterward end. Slide gate in 60-inch corrugated metal pipe riser on the waterward slope. Originally included in 1964 O&M manual.

FS Date: 10/01/2013



Concrete headwall at intlet on LS toe.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	5.19	Rating **	U	Issue No.		214 (cont)	
LM End	5.19	Issue Type +	En	Location *		WS	
Category	ental	GPS Latitude/Longitude					
Calegory	ıy			Start		End	
Item	DWR UCI	IP Field Study		37.43674	48 °	37.436748 °	
пеш				-121.03659	97 °	-121.036597 °	
DWR ID						·	

Action/Comments

Inspector Comments: FS_ID:42983

DS_ID:20208 EP_NO: N/A FS_HLM: 5.229 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Soil and debris prevent flapgate from proper function. Slide gate won't close completely due to sediment buildup.

CMP riser needs cover.

FIELD_STRUCT_DESC: 24-inch pipe through levee 11.6 feet below crown. Concrete headwall on the landward end. Concrete "U" headwall and flap gate on the waterward end. Slide gate in 60-inch corrugated metal pipe riser on the waterward slope. Originally included in 1964 O&M manual.

FS Date: 10/01/2013

LM Start	5.19	Rating **	U	Issue No.	214 (cont)
LM End	5.19	Issue Type +	En	Location *	WS



Flapgate in Concrete headwall on WS toe under tree.





Slide gate in CMP riser on WS slope. Outlet visible under tree in background.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	5.25	Rating **	С	Issue No.	202			
LM End	5.25	Issue Type +	Ma	Location *	LS			
Cotagon Earthen Levee				GPS Latitude/Longitude				
Category			Start End					
Item	Erosion /	Bank Caving		37.43604	11 °	37.436041	0	
пеш	em				88°	-121.035868	0	
DWR ID DWR_RD1602_01_s _ 2014_202								
Action/Comments								

Schedule repair of erosion site prior to the next inspection.

No Photos

LM Start	5.29	Rating **	М	Issue No.		75
LM End	5.49	Issue Type +	Ma	Location *	WS	
Category Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End	
Item	Vegetatio	n		37.43555	5 °	37.433277 °
пеш				-121.03536	2 °	-121.033318 °
DWR ID DWR_RD1602_01_s _ 2012_75						
		Action/	Comme	nts		

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.

						Veg
LM Start	5.29	Rating **	М	Issue No.	75 (cont)	Ph
LM End	5.49	Issue Type +	Ma	Location *	WS	

Photo 1 of 2 : FA_2015_RD1602_110_75_20150911_00054.jpg



Vegetation was found on the waterside slope of the levee looking upstream during fall 2013 inspection.

Photo 2 of 2 : FA_2015_RD1602_110_75_20150911_00055.jpg



Overgrown vegetation was found on the waterside slope of the levee looking upstream.

* Location

LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating

A: Acceptable N: Not Inspected/Rated C: Corrected Ob: Design & System Obsolescence

M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence

U: Unacceptable AW: Acceptable but Monitor & Maintain

** Rating

M: Issue Type

Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	5.30	Rating **	М	Issue No.		102
LM End	5.30	Issue Type +	Ма	Location *		LS
Category Earthen Levee				GPS Latitude/Longitude		
Category				Start		End
Slope Stability			37.4355	33 °	37.435533 °	
item				-121.0353	71 °	-121.035371 °
DWR ID	DWR_RD1	602_01_s _ 201	2_102			
Action/Comments						
Repair slope instability.						

Photo 1 of 1: FA_2015_RD1602_110_102_20150911_00065.jpg



View of significant damage and erosion to the landward slope looking upstream.

LM Start	5.35	Issue No.		204			
LM End	5.35	Issue Type +	Ma	Location *	WS		
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Animal Co	ontrol		37.4348	45 °	37.434845	0
пеш				-121.03510	00°	-121.035100	0
DWR ID	DWR_RD1602_01_s _ 2014_204						
		Action/	Comme	nts			

No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

No Photos

LM Start	5.35	Rating **	М	Issue No.		61	
LM End	5.45	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	n		37.43473	2 °	37.433660	٥
item				-121.03508	3°	-121.033838	٥
DWR ID DWR_RD1602_01_s _ 2012_61							
			_				

Action/Comments

Remove the wild growth other than native grasses from the levee slopes.



Vegetation was obstructing the view of the landside of the levee.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	5.36	Rating **	С	Issue No.	105		
LM End	5.36	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS La	atitud	le/Longitude	
Category			Start		End		
Item Slope Stability			37.434699 °		37.434699 °		
			-121.035063 °		-121.035063 °		
DWR ID	DWR_RD1	602_01_s _ 201	12_105			·	
		Action/	Comme	nts			
Repair slop	oe instabili	ty.					

No Photos

LM Start	5.38	Rating **	М	Issue No.		22	
LM End	5.44	Issue Type +	En	Location *		LS	
Category	Earthen L	evee	GPS La	atitud	le/Longitude		
Calegory				Start		End	
Item	Encroach	ncroachments			47 °	37.433791 °	
item				-121.034865 °		-121.034000 °	
DWR ID	DWR_RD1	602_01_f _ 201	2_22				
		Action/	Comme	nts			
Fence							

Photo 1 of 1 : FA_2015_RD1602_110_22_20150911_00009.jpg



A fence was found on the landside toe of the levee looking upstream.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	5.46	Rating **	М	Issue No.		215		
LM End	5.46	Issue Type +	En	Location *		LS		
Category				GPS Latitude/Longitude				
Category				Start		End		
Item	DWR UCI	P Field Study		37.43364	6°	37.433646 °		
пеш					6 °	-121.033846 °		
DWR ID								

Action/Comments

Inspector Comments: FS_ID:21674

DS_ID:20211 EP_NO: N/A FS_HLM: 5.5

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: Pipe appears abandoned and if so should be done so

properly.

FIELD_STRUCT_DESC: 12-inch drain pipe through levee 6.9 feet below c own. Flap gate on the waterward end. (Maint. 1602) (could not

locate 3/84) Originally included in 1964 O&M manual.

FS Date: 10/01/2013



Pipe and flapgate visible on WS toe.

LM Start	5.72 Rating ** U		Issue No.		216		
LM End	5.72	Issue Type +	En	Location *		LS	
Category	ental	GPS Latitude/Longitude					
Category				Start		End	
Item	DWR UCI	P Field Study		37.4330	03 °	37.433003	0
item		-121.0293	46 °	-121.029346	0		
DWR ID							

Action/Comments

Inspector Comments: FS_ID:43100

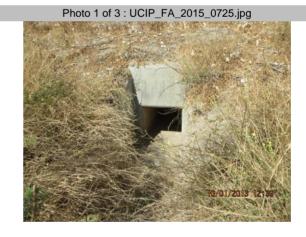
DS_ID:20212 EP_NO: N/A FS_HLM: 5.762 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Flapgate has minor blockage preventing gate from

fully closing.

FIELD_STRUCT_DESC: 30-inch square reinfornced concrete box culvert through levee 9.0 feet below crown. Slide gate in concrete surge box on the waterward slope. Concrete "U" headwalls on both ends. Flap gate on the waterward end. Originally included in 1964

O&M manual. FS Date: 10/01/2013



Concrete U-shaped headwall on LS toe.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	5.72	Rating **	U	Issue No.		216 (cont)		
LM End	5.72	Issue Type +	En	Location *	LS			
Category	Supplemental			GPS Latitude/Longitude				
Calegory	Category			Start		End		
Item	DWR UCI	P Field Study	37.43300	3°	37.433003 °			
пеш			-121.02934	6°	-121.029346 °			
DWR ID								

Action/Comments

Inspector Comments: FS_ID:43100

DS_ID:20212 EP_NO: N/A FS_HLM: 5.762 Repair Type: Urgent Crossing Status: Found

UCIP Comments: Flapgate has minor blockage preventing gate from

fully closing.

FIELD_STRUCT_DESC: 30-inch square reinfornced concrete box culvert through levee 9.0 feet below crown. Slide gate in concrete surge box on the waterward slope. Concrete "U" headwalls on both ends. Flap gate on the waterward end. Originally included in 1964

O&M manual. FS Date: 10/01/2013

LM Start	5.72	Rating **	U	Issue No.	216 (cont)
LM End	5.72	Issue Type +	En	Location *	LS



Concrete U-shaped headwall on LS toe.

Photo 3 of 3: UCIP_FA_2015_0727.jpg



Slide gate in concrete riser on WS shoulder.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	6.24	Rating **	М	Issue No.		217	
LM End	6.24	Issue Type +	En	Location *		LS	
Supplemental			GPS Latitude/Longitude				
Calegory		Start		End			
Item	DWR UCIP Field Study			37.429032 °		37.429032 °	
пеш			-121.0298	67 °	-121.029867 °		
DWR ID							
Action/Comments							
Inspector Comments: FS_ID:21683							

DS_ID:20214 EP_NO: 8194 FS_HLM: 6.288

Repair Type: Non-Urgent Crossing Status: Found

LM Start	6.24	Rating **	М	Issue No.	217 (cont)
LM End	6.24	Issue Type +	En	Location *	LS



Pipe deteriated on LS at outlet.



36-inch concrete standpipe on WS shoulder.

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 1602 Del Puerto

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.24	10/20/2015 10/20/2015	Pavel Kazi

LM Start	6.24	Rating **	М	Issue No.		217 (cont)
LM End	6.24	Issue Type +	En	Location *	LS	
Supplemental Supplemental			GPS Latitude/Longitude			
Category				Start		End
Item	DWR UCI	DWR UCIP Field Study			32 °	37.429032 °
пеш				-121.02986	67°	-121.029867 °
DWR ID						
Action/Comments						



Drainage/irrigation canal on LS toe.